ENVIRONMENTAL CHEMISTS

Date of Report: May 15, 1996 Date Received: May 9, 1996

Project: Metro Self Monitor, PO #M72095 Date Samples Extracted: May 13, 1996 Date Extracts Analyzed: May 14, 1996

RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE FOR CHROMIUM, COPPER, NICKEL, ZINC USING METHOD 6010

Samples Processed Using Method 3005A Results Reported as mg/L (ppm)

Sample ID	<u>Chromium</u>	Copper	<u>Nickel</u>	<u>Zinc</u>
M72095	0.63	0.79	0.63	0.06
Method Blank	< 0.05	< 0.05	< 0.05	< 0.05

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Date of Report: May 15, 1996 Date Received: May 9, 1996

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QUALITY ASSURANCE RESULTS FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 68714 (Duplicate)

Analyte:	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/L (ppm)	0.63	0.66	5	0-20
Copper	mg/L (ppm)	0.79	0.77	3	0-20
Nickel	mg/L (ppm)	0.63	0.65	3	0-20
Zinc	mg/L (ppm)	0.06	< 0.05	nm	0-20

Laboratory Code: 68714 (Matrix Spike)

							Relative
	Reporting	Spike	Sample	% F	Recovery	Acceptance	Percent
Analyte:	Units	Level	Result	MS	MSD	Criteria	Difference
Chromium	mg/L (ppm)	5	0.63	101	100	80-120	1
Copper	mg/L (ppm)	5	0.79	100	102	80-120	2
Nickel	mg/L (ppm)	10	0.63	102	103	80-120	1
Zinc	mg/L (ppm)	5	0.06	101	102	80-120	1

Laboratory Code: Spike Blank

	Reporting	Spike	% I	Recovery	Acceptance	Relative e Percent
Analyte:	Units	Level	MS	MSD	Criteria	Difference
		late partie				
Chromium	mg/L (ppm)	5	102	104	80-120	2
Copper	mg/L (ppm)	5	102	104	80-120	2
Nickel	mg/L (ppm)	10	104	107	80-120	3
Zinc	mg/L (ppm)	5	103	106	80-120	3

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

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FRIEDMAN & BRUYA, INC. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282

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SAMPLE CHAIN OF CUSTODY

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ENVIRONMENTAL CHEMISTS

Andrew John Friedman James E. Bruya, Ph.D. (206) 285-8282 3012 16th Avenue West Seattle, WA 98119-2029 FAX: (206) 283-5044

May 15, 1996

Gerald Thompson, Project Manager Alaskan Copper Works 628 South Hanford Seattle, WA 98134

Dear Mr. Thompson:

Enclosed are the results from the testing of material submitted on May 9, 1996 from your Metro Self Monitor, PO #M72095 project.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Kurt Johnson

Chemist

keh Enclosures ACU0515R.DOC

ENVIRONMENTAL CHEMISTS

Andrew John Friedman James E. Bruya, Ph.D. (206) 285-8282 3012 16th Avenue West Seattle, WA 98119-2029 FAX: (206) 283-5044

May 15, 1996

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Accounts Payable Alaskan Copper Works 628 South Hanford Seattle, WA 98134

RE: Project Metro Self Monitor, PO #M72095: Results of testing requested by Gerald Thompson, Project Manager for material submitted on May 9, 1996.